

Patent

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33. A method of coating a hot melt adhesive onto a substrate, said method comprising the steps of:

- a) [making] providing a melted hot melt adhesive composition;
- b) advancing a substrate along a path;
- c) dispensing a continuous film of said hot melt adhesive composition from a coating device;
- d) suspending said film between said coating device and said substrate;
- e) contacting said film with said advancing substrate wherein said film has area weight of less than 20 g/m².

New Claims

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43. A method of coating a hot melt adhesive onto a substrate, said method comprising the steps of:

- a) providing a melted hot melt adhesive composition;
- b) advancing a substrate along a path;
- c) dispensing a continuous film of said hot melt adhesive composition from a coating device consisting essentially of a slot nozzle;
- d) suspending said film between said coating device and said substrate;
- f) contacting said film with said advancing substrate.

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44. A method of coating a hot melt adhesive onto a substrate, said method comprising the steps of:

- a) providing a melted hot melt adhesive composition;
- b) advancing a substrate along a path;
- c) dispensing a continuous film of said hot melt adhesive composition from a coating device;
- d) suspending said film between said coating device and said substrate;

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- g) contacting said film with said advancing substrate wherein said film consists essentially of a single layer of said hot melt adhesive having a film thickness of less than 75 microns.

45. A method of coating a thermoplastic composition onto a substrate, said method comprising the steps of:

- a) providing a molten thermoplastic composition;
- b) advancing a substrate along a path;
- c) dispensing a continuous film of said thermoplastic composition from a coating device at a coating temperature of less than about 160°C and wherein the complex viscosity of the thermoplastic composition at the coating temperature is less than about 500 poise at about 1000 radians/second and ranges from about 100 poise to about 1,000 poise at about 1 radian/second;
- d) suspending said film between said coating device and said substrate;
- e) contacting said film with said advancing substrate.

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46. A method of coating a thermoplastic composition onto a substrate, said method comprising the steps of:

- a) providing a molten thermoplastic composition;
- b) advancing a substrate along a path;
- c) dispensing a continuous film of said thermoplastic composition from a coating device at a coating temperature wherein the complex viscosity of the thermoplastic composition is less than about 500 poise at about 1000 radians/second and ranges from about 100 poise to about 1,000 poise at about 1 radian/second;
- d) suspending said film between said coating device and said substrate;
- e) contacting said film with said advancing substrate wherein the coat weight of the film is less than 20 g/m².